Installation Guide
Solecis AVS-SL-0201-824

Overview

The Solecis AVS-SL-0201-824 (**FG1330-1113-05**) is the perfect solution for all 2x1 PC switching solutions and incorporates high-resolution switching circuitry for all PC applications up to UXGA. The AVS-SL-0201-824 can be user set to operate in either manual, auto, or remote switching modes. The remote options include control from both RS-232 and Contact Closure while Auto modes allow either priority or last presented input switching. The outputs are both 75 Ohms driven with TTL sync restore for connection to long cable runs. The audio inputs automatically follow the video input and are converted to be either balanced or unbalanced signals on the output.

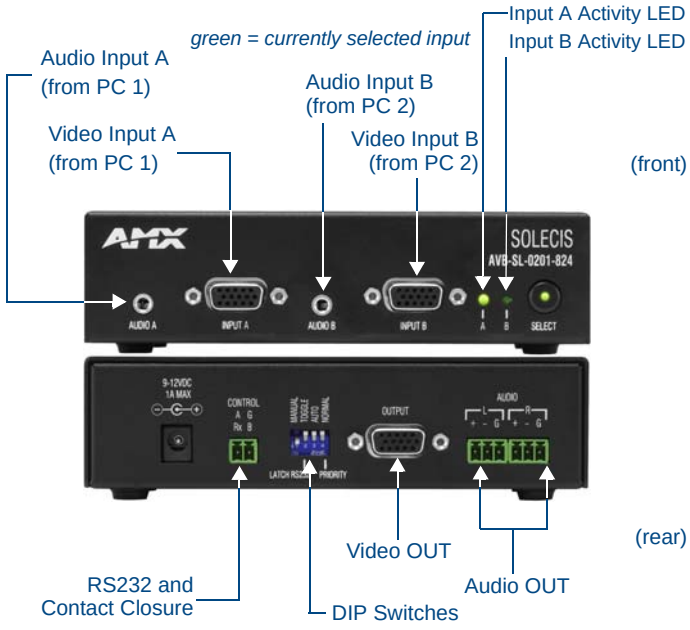

FIG. 1 Solecis AVS-SL-0201-824

Product Specifications

Solecis AVS-SL-0201-824 Specifications	
RGB Input	
Number:	2
Connectors:	HD-15
Level:	Analog
Max Level:	1V p-p
Impedance:	75 ohm
Sync Input	
Level:	TTL/Analog
Max Level:	5v p-p
Impedance:	75 ohm
Audio Input	
Number:	2
Connectors:	3.5mm stereo
Type:	Unbalanced analog
Max Level:	2V p-p
Impedance:	47K ohm
RGB Video Bandwidth:	400MHz -3dB
RGB Return Loss:	45dB@10MHz, -27dB@100MHz
Adjacent Input Crosstalk:	73dB@10MHz, -50dB@100MHz
Audio Response:	20Hz-50KHz

Solecis AVS-SL-0201-824 Specifications (Cont.)	
RGB Output	
Number:	1
Connector:	HD-15
Level:	Analog
Gain:	Unity
Impedance:	75 ohm
Sync Output	
Level:	TTL
Impedance:	75 ohm
Audio Output	
Number:	2 (L/R)
Connectors:	Captive-wire
Type:	Balanced/Unbalanced
Gain:	Unity
Impedance:	600 ohm
Power	
Input Voltage:	9-12VDC
Power Consumption:	15W
Dimensions (HWD):	1.66” x 5.85” x 4.25” (42.2 mm x 148.6 mm x 108.0 mm) • Height includes feet • Depth includes connectors
Weight:	1.4 lbs. (0.65kg)
Included Accessories:	PS2.8 power supply (FG423-11)
Certifications:	• CE • FCC class B, part 15 • RoHS/WEEE compliant

Safety Instructions

Please read these instructions before using your AMX Solecis device. Failure to comply with these instructions could result in fire, electrical shock, personal injury, death, or damage to the equipment.

Liquid Spills

Do not set drinks on top of the unit or immerse the unit in liquid.

Do Not Disassemble

This device contains no user serviceable parts. All servicing must be performed by a qualified service technician.

For Safety Reasons

- *Do not place the unit on an unstable surface.*
- *Do not use near water or sources of heat.*
- *Use only recommended attachments.*
- *Use the type of power supply as specified.*
  Unplug the power to the unit and refer servicing to qualified personnel under the following conditions:
- *If liquid has been spilled or the unit has been exposed to rain or water.*
- *If it does not operate normally when the operating instructions are followed or if it exhibits a distinct change in performance indicating a need for service.*
- *If the unit has been dropped or the cabinet damaged.*

Installation

1. Connect one end of the HD-15 cable to the output video socket of the computer.
2. Connect the other end to the INPUT A socket of the switcher.
3. Repeat for INPUT B.
4. Connect a monitor or projector to the MAIN OUTPUT socket of the switcher.
5. Connect Audio to the switcher Inputs using a 3.5mm Stereo Jack plug.
6. The output is taken from the captive-wire connector on the Main Output.

Video Pin Connections

FIG. 2 provides the pin layout for the HD-15 connectors:

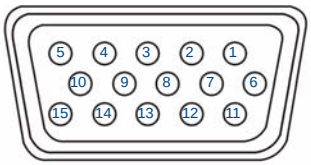

FIG. 2 RGBHV HD-15 connector

The pin configuration for the HD-15 (video) connector are as follows:

1 - RED
2 - GREEN
3 - BLUE
4 - n/c
5 - n/c
6 - RED GROUND
7 - GREEN GROUND
8 - BLUE GROUND
9 - n/c
10 - SYNC GROUND
11 - n/c
12 - n/c
13 - H SYNC
14 - V SYNC
15 - n/c

Audio Output

The Audio output is taken from the captive-wire connectors on the rear of the unit.

- For balanced output use the +, - and Gnd pins.
- For unbalanced output use the + and Gnd pins.

Setting Up the Mode of Operation

Rear Panel DIP Switches					
Control	**1**	**2**	**3**	**4**	**Notes**
Manual Switch	⇓	⇑	⇑	⇑	Front Panel Operation
Auto Switch - Normal	⇑⇓	⇑	⇓	⇑	Last Detected Input
Auto Switch - Priority	⇑⇓	⇑	⇓	⇓	Input B Priority
Contact Closure - Momentary	⇑⇓	⇑	⇑⇓	⇑⇓	Bell Button Toggle
Contact Closure - Latching	⇔	⇓	⇔	⇔	Logic State Closed Input A
RS232	⇔	⇓	⇔	⇔	Serial Control
⇑-switch up, ⇓-switch down, ⇔-function disabled, ⇑⇓ -switch up or down					

Switch Functions

- 1 - Manual Switch Off / On
- 2 - Remote Control Off / On
- 3 - Auto Switch Off / On
- 4 - Auto Switch Normal / Priority

Manual Switch - Front Panel Operation

1. Power up switcher.
2. The Green LED A will light to indicate power present and A Input is switched.
3. Set Dip switches as shown in the *Rear Panel DIP Switches* table.
4. Press INPUT SELECT button to change between Input sources.

Contact Closure - Toggle Switch

Set Dip switches as shown in the *Rear Panel DIP Switches* table.

- A momentary switch can be wired across connections A and B on the rear panel.
- Manual and auto switch can also be enabled or disabled in this Toggle mode of operation.

Contact Closure - Latching

Set Dip switches as shown in the *Rear Panel DIP Switches* table.

- With control pins A and B open the unit will switch to Input B.
- When control pins are closed the unit will switch to Input A.

***Note**: When Dip switch 2 is set to Latch or RS232 all other functions will be disabled.*

RS232 Mode

1. Power unit down.
2. Set Dip switches as shown in the *Rear Panel DIP Switches* table.
3. Connect RS232 cable to Control pins as follows:
   - TX - Pin A (RX)
   - GND - Pin B (GND).
4. Power up unit.

Set system Protocol as follows

- Baud - 9600
- Data - 8 Bits
- Stop - 1 Bit

Switch Commands

***Note**: Numbers are shown in HEX.*

Input A		
Byte 1	**Byte 2**	**Byte3**
FE	00	0A

Input B		
Byte 1	**Byte 2**	**Byte3**
FE	00	0B

***Note**: When an RS232 cable is connected to the Control socket all other functions will be disabled.*

Auto Switch - Normal

Set Dip switches as shown in the *Rear Panel DIP Switches* table.

Auto-Switching

The unit scans the VERTICAL sync inputs of input A and B. If any signal sources are active the unit will switch to the last detected input.

To switch between two active sources either disconnect the source and reconnect or use the laptop video toggle mode to turn the Video output off then on again (usually by holding the FN key with a Function key).

To operate in auto switch mode with manual override switch Manual dip down to the On position.

Auto Switch - Priority

1. Set Dip switches as shown in the *Rear Panel DIP Switches* table.
2. When a signal is applied to Input A the unit will automatically switch to A.
3. When the signal is removed from Input A the unit will switch to Input B.
4. To operate in auto switch mode with manual override switch Manual dip down to the On position.

NOTE: Extended Display Identification Data (EDID) is passed from Input A, but is not passed from Input B.

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